

AMENDMENTS TO CLAIMS

1. **(Currently amended)** A device for removing membranous lead sulfate deposited on electrodes of a lead-acid battery due to sulfation, said device comprising

a voltage detector, a reference voltage generator, a voltage comparator, an oscillator, an amplifier, a waveform shaping circuit, a negative pulse generator, and an electrifying indicator, ~~in~~ which

wherein a negative pulse current having a short pulse width T of less than 1 μ s, a pulse number of the order of 8000 to 12000 per second, and a current value in a range of 10 to 120 mA, is outputted from said device to bring about a conductor skin effect, ~~thereby so as to intensively~~ dissolve a surface layer part of ~~said the~~ membranous lead sulfate ~~deposit deposited~~ on ~~said the~~ electrodes of the lead-acid battery.

2. **(Cancelled)**

3. **(Currently Amended)** The device set forth in claim 1, wherein ~~said the~~ lead-acid battery to which said device is mounted is used as a power source of said device.

4. **(Cancelled)**

5. **(New)** The device set forth in claim 1, wherein the bringing about of the conductor skin effect results in the surface layer part of the membranous lead sulfate deposited on the electrodes of the lead-acid battery being intensively dissolved.